

HYDROCARBON SEPARATORS 5MG/L WITH V100 SILT STORAGE WITHOUT BYPASS POLYETHYLENE (PE)

6647



1 Technical definition

A hydrocarbon separator is designed to separate and store free hydrocarbons contained in runoff water.

The sludge part of the device traps suspended solids (sand, gravel...).

These non-bypass hydrocarbon separators are ideal for treating water from parking lots, gas stations and garages. For car washes, an additional V200 sludge trap is required to obtain a V300 volume.

Reminder:

A hydrocarbon level alarm is mandatory as additional equipment, unless exempted by local authorities.



TREATMENT OF HYDROCARBONS

2 Maintenance

Periodically check that ventilation is not obstructed.

The emptying frequency must be adapted to the volumes of sludge and hydrocarbons intercepted.

It is recommended to drain the unit when the sludge reaches

50% of the useful volume of the sludge trap or that hydrocarbons reach 80% of the separator's retention capacity (cf. NF P16-442).

Take advantage of draining to clean the coalescence and the shut-off system.

After each draining operation, the unit must be re-connected to the water supply and the obturator checked for leaks.

General E101 maintenance instructions available on our website.

4 Operation

The hydrocarbon separator operates by separating non-dissolved pollutants by density difference in run-off water.

The silt storage compartment allows settling and trapping of suspended solids > 200 µm.

The coalescence system, thanks to its large specific surface, makes it possible to concentrate the free hydrocarbons by promoting their collision. The hydrocarbons then rise to the surface.

The shut-off system prevents any risk of hydrocarbons being released.

3 Advantages

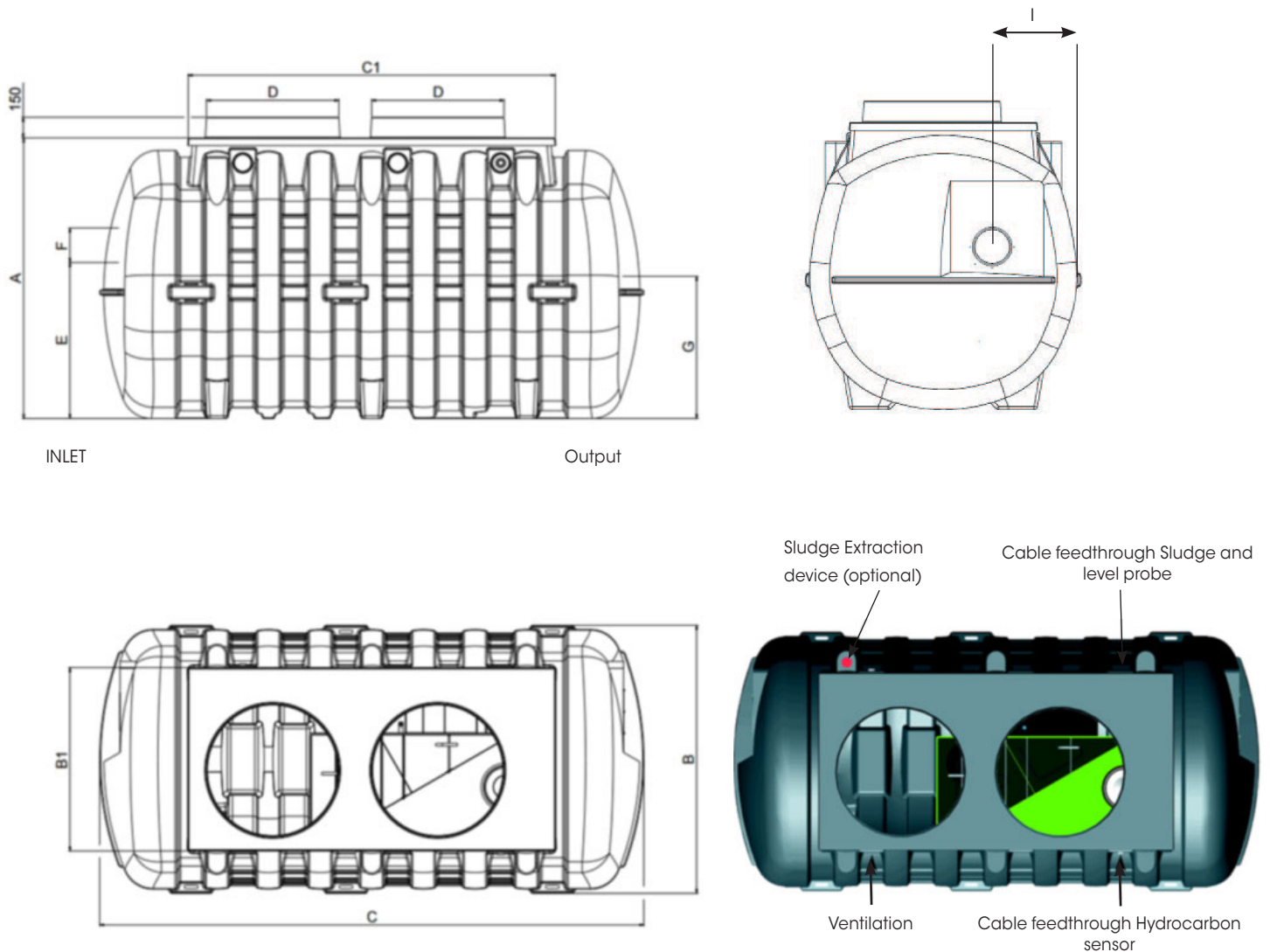
- design according to NF EN 858-1 and NF EN 858-2
- Tank guaranteed for 20 years against corrosion
- resistance in saline environment
- Resistance in water table or hydromorphic terrain up to outlet water level
- low weight
- easy to handle
- removable coalescence for easy maintenance
- easy to connect

5 Handling - installation

Please refer to the PHPE installation instructions before handling and installing the separator.

- Maximum height of water table = outlet water level.
- Concrete protection slab mandatory.
- Max. backfill height = 30 cm above the top shell

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Reference	Treated flow (l/s)	Nb. of primers	A	B	B1	C	C1	D	E	F	G	I	Vol.silt storage (liters)	Vol. hydrocarbon retention (liters)	Weight (Kg)
SH2/6647/20/00	20	1	2030	1946	1330	2829	1532	950	1132	200	1032	628	2074	377	406
SH2/6647/25/00	25	2	2030	1946	1330	3580	2301	750 / 950	1132	250	1032	628	2561	499	504
SH2/6647/30/00	30	2	2030	1946	1330	3954	2676	950	1132	250	1032	628	3027	559	541

Options :

- ANH22/14310-N: Visual and audible hydrocarbon alarm with 220V power supply (only 1 hydrocarbon sensor possible), see FT 4993
- ANH22/14320: Visual and audible hydrocarbon alarm with 220V power supply (3 probes possible), see FT 4982
- ANH22/14506 : Hydrocarbon alarm with solar panel power supply (connection of up to 6 sensors installed on 2 different separators) - see FT 4981
- CA3/6394/10T: 10 T - 10 M anchoring belt + WINCH (4 for TN 20, 6 for TN 25 and 30)
- OD2/107: Sludge extraction DN80
- SNB/14220 : Sludge level sensor